

Polarized neutron scattering investigations on TAS-1 at JRR-3M

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Content

1. Introducing neutron scattering groups in the JAEA
2. Polarized neutrons on TAS-1
3. Experiments with longitudinal polarization analysis

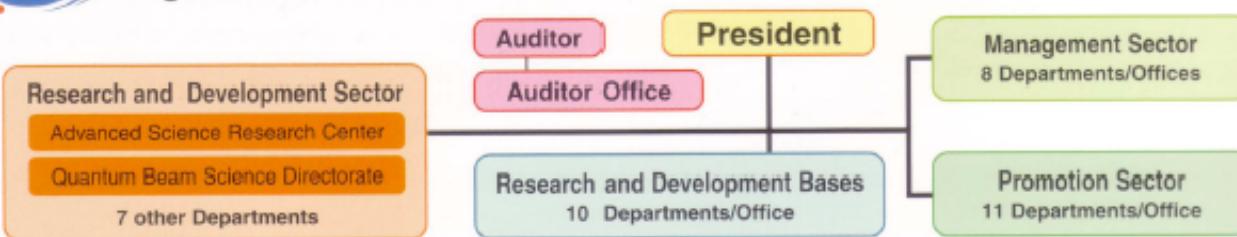
Elastic experiment on pressure induced magnetic order
in $TiCuCl_3$

Inelastic experiment on longitudinal spin fluctuation in
Ising like AF chain system $TiCoCl_3$

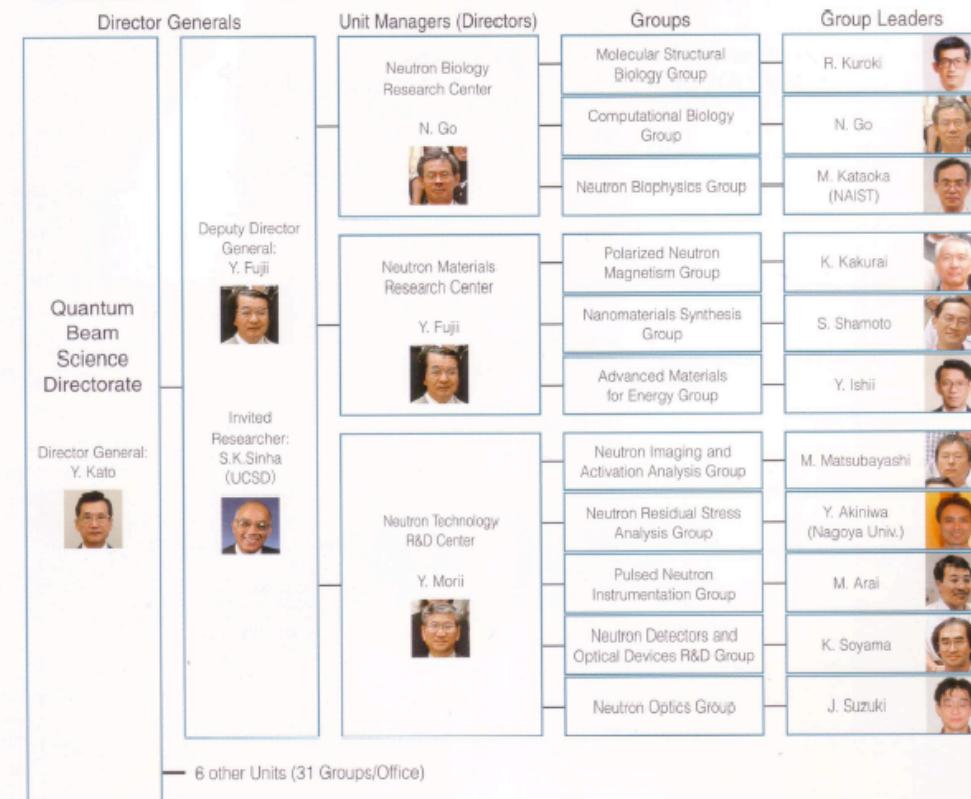
4. Strategy in the Neutron Materials Research Center



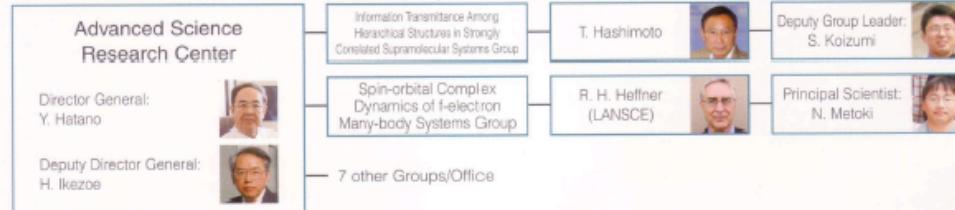
Organization Structure of JAEA



Neutron Science Groups in JAEA



Director Generals

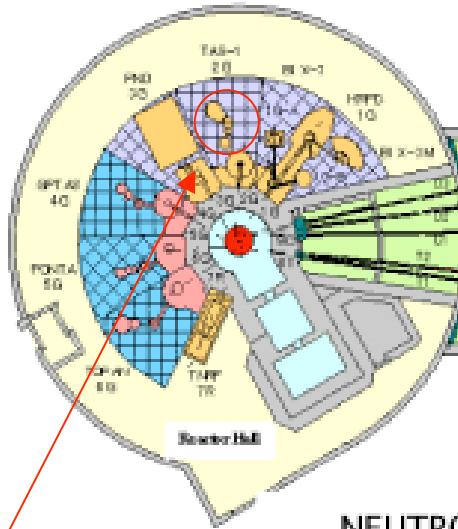




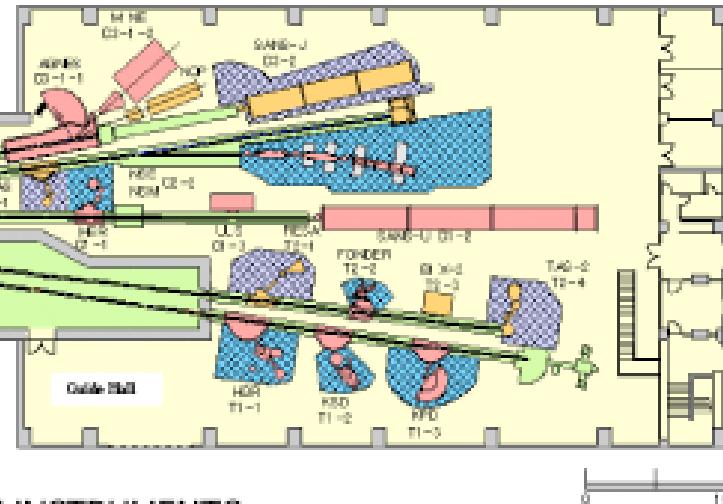
JRR-3M

(20MW, CNS, 3×10^{14} n/s.cm 2)

Reactor Building



Experimental Building



NEUTRON BEAM INSTRUMENTS

- Neutron Scattering: 24 (14 by Univ. & 11 by JAERI)
- Neutron Radiography: 2 (JAERI)
- Prompt Gamma-ray Analysis: 2 (JAERI)

TAS-1

